(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 7 April 2005 (07.04.2005)

PCT

(10) International Publication Number WO 2005/030927 A2

(51) International Patent Classification7:

C12N

(21) International Application Number:

PCT/US2004/031141

(22) International Filing Date:

23 September 2004 (23.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/505,543

23 September 2003 (23.09.2003) U

- (71) Applicant (for all designated States except US): UAB RESEARCH FOUNDATION [US/US]; 701 South 20th Street, Suite 1120G, Birmingham, AL 35294 (US).
- (72) Inventors: and
- (75) Inventors/Applicants (for US only): ZINN, Kurt, R. [US/US]; 405 Magnolia Trace Cr., Hoover, AL 35244 (US). CHAUDHURI, Tandra, R. [US/US]; 405 Magnolia Trace Cr., Hoover, AL 35244 (US). WU, Hongju [CN/US]; 135 Castlehill Drive, Birmingham, AL 35226 (US).
- (74) Agents: MCKEON, Tina, Williams et al.; Needle & Rosenberg, P.C., Suite 1000, 999 Peachtree Street, Atlanta, GA 30309-3915 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AB, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EB, BG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KB, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS AND COMPOSITIONS FOR IN VIVO INFLAMMATION MONITORING

(57) <u>Abstract</u>: Disclosed are methods and materials for detecting inflammation using *in vivo* and *in vitro* monitoring, as well as methods of reducing inflammation. Also disclosed are composition related to *in vivo* monitoring of inflammation, as well as transgenic animals and cell lines useful for such.